

## Recombinant Mouse Myl12b Protein, Myc/DDK-tagged

Cat. No. Myl12b-4249M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length myosin, light chain 12B, regulatory (Myl12b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Phosphorylation triggers actin polymerization in vascular smooth muscle. Implicated in cytokinesis, receptor capping, and cell locomotion.
<b>Molecular Mass</b>	19.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method
<b>Storage Buffer</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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## GENE INFORMATION

**Gene Name** Myl12b myosin, light chain 12B, regulatory [ *Mus musculus* (house mouse) ]

**Official Symbol** Myl12b

**Synonyms** MYL12B; myosin, light chain 12B, regulatory; myosin regulatory light chain 12B; MLC20; myosin light chain, regulatory B; myosin regulatory light chain MRLC2; myosin regulatory light chain 20 kDa; myosin regulatory light chain 2-B, smooth muscle isoform; RLC-B; C77744; Mylc2b; 1500001M02Rik

**Gene ID** 67938

**mRNA Refseq** NM\_023402

**Protein Refseq** NP\_075891

**UniProt ID** Q3THE2

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